

**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID Date	LSM-7 10/8/2014	LSM-9 10/8/2014	LSM-10 10/7/2014	LSM-12 10/7/2014	LSM-24 10/9/2014	LSM-32 10/7/2014	LSM-34 10/7/2014	LSM-35 10/6/2014	LSM-36 10/6/2014	LSM-41 10/9/2014	LSM-42 10/8/2014	LSM-43 10/6/2014	LSM-44 10/6/2014	LSM-45 10/6/2014	LSM-80FD 10/6/2014	LSM-46 10/8/2014	LSM-47 10/7/2014	LSM-49 10/7/2014	LSM-85FD 10/7/2014	LSM-50 10/9/2014	LSM-51 10/8/2014	LSM-52 10/8/2014	LSM-53 10/8/2014	LSM-54 10/8/2014	LSM-55 10/8/2014	LSM-56 10/8/2014	LSM-58 10/8/2014
		Date	10/8/2014		10/8/2014	10/8/2014	10/7/2014	10/7/2014	10/7/2014	10/9/2014	10/7/2014	10/7/2014	10/6/2014	10/6/2014	10/6/2014	10/6/2014	10/6/2014	10/6/2014	10/8/2014	10/7/2014	10/7/2014	10/7/2014	10/7/2014	10/8/2014	10/8/2014	10/8/2014	10/8/2014	10/8/2014			
<b>Dissolved Metals</b>																															
Aluminum	mg/L	NP	0.05-0.2	--	0.5 U	0.3 U	0.2 U	0.1 U	0.2 U	0.3 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.3 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.3 U	0.2 U	0.2 U	0.1 U			
Antimony	mg/L	0.006	NP	--	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U		
Arsenic	mg/L	0.01	NP	--	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U		
Barium	mg/L	2	NP	--	0.05 U	0.03 U	0.02 U	0.022	0.0309	0.02 U	0.03 U	0.02 U	0.0265	0.02 U	0.02 U	0.0314	0.0237	0.0365	0.0359	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.0298	
Beryllium	mg/L	0.004	NP	--	0.025 U	0.015 U	0.01 U	0.01 U	0.005 U	0.01 U	0.015 U	0.01 U	0.015 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U		
Cadmium	mg/L	0.005	NP	--	0.025 U	0.015 U	0.01 U	0.01 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.005 U		
Calcium	mg/L	NP	NP	--	12.3	8.45	9.11	9.88	131	226 J	362	143	1.53	6.24	113	76.9	81.8	140	141	192	3.06	140	141	193	203	416	315	478	74.6		
Chromium	mg/L	0.1	NP	--	0.05 U	0.03 U	0.02 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.01 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.01 U						
Cobalt	mg/L	NP	NP	--	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U		
Copper	mg/L	1.3	1	--	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U		
Iron	mg/L	NP	0.3	--	0.125 U	0.075 U	0.05 U	0.05 U	0.0422	0.267	0.075 U	0.896	0.05 U	0.05 U	0.362	0.025 U	0.025 U	0.025 U	0.05 U	0.075 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.101	
Lead	mg/L	0.015	NP	--	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U		
Magnesium	mg/L	NP	NP	--	1.18	2.45	2.61	36.3	55.5	70.1	30.5	0.3 U	4.56	39.7	30.3	27.4	40.2	40.2	63.2	45.0 U	42.3	42.7	56.5	65.2	117	74.9	132	8.06			
Manganese	mg/L	0.05	NP	--	0.025 U	0.015 U	0.01 U	0.01 U	0.0519	0.0133	0.015 U	0.0691	0.01 U	0.01 U	0.0737	0.005 U	0.005 U	0.005 U	0.01 U	0.015 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.037	
Mercury	mg/L	0.002	NP	--	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U			
Molybdenum	mg/L	NP	NP	--	0.0464	0.0026	0.0023	0.0032	0.002 U	0.002 U	0.00164	0.0145	0.002 U	0.0033	0.0022	0.002 U	0.002 U	0.005	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.007			
Nickel	mg/L	NP	NP	--	0.1 U	0.06 U	0.04 U	0.04 U	0.02 U	0.04 U	0.06 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U	0.02 U	0.02 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.02 U		
Potassium	mg/L	NP	NP	--	5 U	4.19 J	5.52 J	4.71 J	7.26 J	7.94 J	14.8 J	4.68 J	2 U	5.45 J	9.45 J	3.74 J	4.0														

**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-7 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.5 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.05 U
Beryllium	mg/L	0.004	NP	0.025 U
Cadmium	mg/L	0.005	NP	0.025 U
Calcium	mg/L	NP	NP	12.3
Chromium	mg/L	0.1	NP	0.05 U
Cobalt	mg/L	NP	NP	0.1 U
Copper	mg/L	1.3	1	0.1 U
Iron	mg/L	NP	0.3	0.125 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	1.18
Manganese	mg/L	NP	0.05	0.025 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0464
Nickel	mg/L	NP	NP	0.1 U
Potassium	mg/L	NP	NP	5 U
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.05 U
Sodium	mg/L	NP	NP	1050 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.002 U
Vanadium	mg/L	NP	NP	0.1 U
Zinc	mg/L	NP	5	0.1 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	476
Fluoride	mg/L	NP	2	1.82
Nitrate as N	mg/L	1	NP	0.02
Nitrate+Nitrite as N	mg/L	NP	NP	0.04 U
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	8.1
Sulfate	mg/L	NP	250	648
Total Dissolved Solids	mg/L	NP	500	2290
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.5 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.05 U
Beryllium	mg/L	0.004	NP	0.025 U
Cadmium	mg/L	0.005	NP	0.025 U
Calcium	mg/L	NP	NP	11.5
Chromium	mg/L	0.1	NP	0.05 U
Cobalt	mg/L	NP	NP	0.1 U
Copper	mg/L	1.3	1	0.1 U
Iron	mg/L	NP	0.3	0.125 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	1.08
Manganese	mg/L	NP	0.05	0.0273
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0443
Nickel	mg/L	NP	NP	0.1 U
Potassium	mg/L	NP	NP	5 U
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.05 U
Sodium	mg/L	NP	NP	1130 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.002 U
Vanadium	mg/L	NP	NP	0.1 U
Zinc	mg/L	NP	5	0.1 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	5.3
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	6.9
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	2.9 U
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	2.9 U
Ra226, SDWA Method	pCi/L	5	NP	0.29
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	1124
Thorium-228	pCi/L	NP	NP	-0.193
Thorium-230	pCi/L	NP	NP	-0.051
Thorium-232	pCi/L	NP	NP	-0.017
U234, by Alpha Spec	pCi/L	NP	NP	2.8
U238, by Alpha Spec	pCi/L	NP	NP	0.27
Uranium, Mass Concentration	pCi/L	NP	NP	1 U

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-9 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	8.45
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.075 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	2.45
Manganese	mg/L	NP	0.05	0.015 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0026
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	4.19 J
Selenium	mg/L	0.05	NP	0.0164
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	307 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0163
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.06 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	45
Fluoride	mg/L	NP	2	0.93
Nitrate as N	mg/L	1	NP	1.9
Nitrate+Nitrite as N	mg/L	NP	NP	1.89
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.9
Sulfate	mg/L	NP	250	213
Total Dissolved Solids	mg/L	NP	500	820
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	8.47
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.0887
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	2.49
Manganese	mg/L	NP	0.05	0.015 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0027
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	5.37 J
Selenium	mg/L	0.05	NP	0.0176
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	349 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0177
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.06 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	13.7
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	15.8
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	3.8
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	3.9
Ra226, SDWA Method	pCi/L	5	NP	0.04
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	125.5
Thorium-228	pCi/L	NP	NP	-0.139
Thorium-230	pCi/L	NP	NP	-0.008
Thorium-232	pCi/L	NP	NP	-0.03
U234, by Alpha Spec	pCi/L	NP	NP	8.1
U238, by Alpha Spec	pCi/L	NP	NP	4.1
Uranium, Mass Concentration	pCi/L	NP	NP	16

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-10 Date - 10/7/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	9.11
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	2.61
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0023
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	5.52 J
Selenium	mg/L	0.05	NP	0.023
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	351 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0159
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	49
Fluoride	mg/L	NP	2	0.89
Nitrate as N	mg/L	1	NP	NA
Nitrate+Nitrite as N	mg/L	NP	NP	1.94
Nitrite as N	mg/L	1	NP	NA
pH	pH Units	NP	6.5-8.5	8.06
Sulfate	mg/L	NP	250	274
Total Dissolved Solids	mg/L	NP	500	828
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0024
Barium	mg/L	2	NP	0.0204
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	9.38
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	2.68
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0024
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	6.14 J
Selenium	mg/L	0.05	NP	0.0248
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	366 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0167
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	12.2
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	14.3
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	4.7
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	4.9
Ra226, SDWA Method	pCi/L	5	NP	0.05
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	336.6
Thorium-228	pCi/L	NP	NP	-0.067
Thorium-230	pCi/L	NP	NP	0
Thorium-232	pCi/L	NP	NP	-0.019
U234, by Alpha Spec	pCi/L	NP	NP	8.1
U238, by Alpha Spec	pCi/L	NP	NP	4.2
Uranium, Mass Concentration	pCi/L	NP	NP	16

Notes:

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pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-12 Date - 10/7/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0027
Barium	mg/L	2	NP	0.0222
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	9.88
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	2.16
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0032
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	4.71 J
Selenium	mg/L	0.05	NP	0.017
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	362 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0161
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.0719
<b>General Chemistry</b>				
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	NP	NP	253
Chloride	mg/L	NP	250	50
Fluoride	mg/L	NP	2	0.93
Nitrate as N	mg/L	1	NP	5.17
Nitrate+Nitrite as N	mg/L	NP	NP	5.16
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	8.08
Sulfate	mg/L	NP	250	249
Total Dissolved Solids	mg/L	NP	500	840
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0035
Barium	mg/L	2	NP	0.0209
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	9.21
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	1.99
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.003
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	4.92 J
Selenium	mg/L	0.05	NP	0.0188
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	371 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0162
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.0583
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	11.5
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	13.4
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	6.6
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	6.9
Ra226, SDWA Method	pCi/L	5	NP	0.03
Ra228, SDWA Method	pCi/L	5	NP	0.19
Radon	pCi/L	NP	NP	218.5
Thorium-228	pCi/L	NP	NP	-0.034
Thorium-230	pCi/L	NP	NP	0.025
Thorium-232	pCi/L	NP	NP	0
U234, by Alpha Spec	pCi/L	NP	NP	8.8
U238, by Alpha Spec	pCi/L	NP	NP	4.5
Uranium, Mass Concentration	pCi/L	NP	NP	15

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-24 Date - 10/7/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0309
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	131
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.0422
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	36.3
Manganese	mg/L	NP	0.05	0.0519
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	7.26 J
Selenium	mg/L	0.05	NP	0.012
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	88.8 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0091
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>General Chemistry</b>				
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	NP	NP	260
Chloride	mg/L	NP	250	26
Fluoride	mg/L	NP	2	0.34
Nitrate as N	mg/L	1	NP	3.6
Nitrate+Nitrite as N	mg/L	NP	NP	3.62
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.43
Sulfate	mg/L	NP	250	303
Total Dissolved Solids	mg/L	NP	500	840
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0314
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	128
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.708
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	35.9
Manganese	mg/L	NP	0.05	0.0567
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	7.44 J
Selenium	mg/L	0.05	NP	0.0115
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	89.6 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0088
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	8
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	10.2
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	4.5
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	4.5
Ra226, SDWA Method	pCi/L	5	NP	0.11
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	804
Thorium-228	pCi/L	NP	NP	-0.051
Thorium-230	pCi/L	NP	NP	-0.02
Thorium-232	pCi/L	NP	NP	0.02
U234, by Alpha Spec	pCi/L	NP	NP	4
U238, by Alpha Spec	pCi/L	NP	NP	2
Uranium, Mass Concentration	pCi/L	NP	NP	9

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-32 Date - 10/9/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	226 J
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.267
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	55.5
Manganese	mg/L	NP	0.05	0.0133
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	7.94 J
Selenium	mg/L	0.05	NP	0.0099
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	353 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0642
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.217
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	172
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	1.43
Nitrate+Nitrite as N	mg/L	NP	NP	1.43
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.19
Sulfate	mg/L	NP	250	649
Total Dissolved Solids	mg/L	NP	500	2500
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	223
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.424
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	56.3
Manganese	mg/L	NP	0.05	0.012
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	9.25 J
Selenium	mg/L	0.05	NP	0.0091
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	380 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0652
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.224
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	37.2
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	42.5
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	12.5
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	13
Ra226, SDWA Method	pCi/L	5	NP	0.12
Ra228, SDWA Method	pCi/L	5	NP	0.2
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	-0.021
Thorium-230	pCi/L	NP	NP	-0.045
Thorium-232	pCi/L	NP	NP	-0.045
U234, by Alpha Spec	pCi/L	NP	NP	22.1
U238, by Alpha Spec	pCi/L	NP	NP	16.3
Uranium, Mass Concentration	pCi/L	NP	NP	58

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-34 Date - 10/7/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0342
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	362
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.075 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	70.1
Manganese	mg/L	NP	0.05	0.015 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0036
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	14.8 J
Selenium	mg/L	0.05	NP	0.658
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	483 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.238
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.06 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	49
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	17
Nitrate+Nitrite as N	mg/L	NP	NP	17
Nitrite as N	mg/L	1	NP	0.0006 U TQ03
pH	pH Units	NP	6.5-8.5	7.27
Sulfate	mg/L	NP	250	1670
Total Dissolved Solids	mg/L	NP	500	2940
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0349
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	362
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.075 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	69.6
Manganese	mg/L	NP	0.05	0.0152
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0035
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	16.5 J
Selenium	mg/L	0.05	NP	0.654
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	524 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.24
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.06 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	87.8
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	116.9
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	87.8
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	88.9
Ra226, SDWA Method	pCi/L	5	NP	0.2
Ra228, SDWA Method	pCi/L	5	NP	0.19
Radon	pCi/L	NP	NP	830
Thorium-228	pCi/L	NP	NP	-0.097
Thorium-230	pCi/L	NP	NP	0.064
Thorium-232	pCi/L	NP	NP	-0.008
U234, by Alpha Spec	pCi/L	NP	NP	75.2
U238, by Alpha Spec	pCi/L	NP	NP	60.2
Uranium, Mass Concentration	pCi/L	NP	NP	210

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-35 Date - 10/7/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	143
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.896
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	30.5
Manganese	mg/L	NP	0.05	0.0691
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	4.68 J
Selenium	mg/L	0.05	NP	0.0229
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	421 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0065
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	64
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	NA
Nitrate+Nitrite as N	mg/L	NP	NP	1.04
Nitrite as N	mg/L	1	NP	NA
pH	pH Units	NP	6.5-8.5	7.64
Sulfate	mg/L	NP	250	994
Total Dissolved Solids	mg/L	NP	500	1900
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.571
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0203
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	153
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	8.18
Lead	mg/L	0.015	NP	0.0021
Magnesium	mg/L	NP	NP	32.3
Manganese	mg/L	NP	0.05	0.104
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	5.55 J
Selenium	mg/L	0.05	NP	0.0249
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	466 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0066
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	3.9
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	5.1
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	4.6
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	4.5
Ra226, SDWA Method	pCi/L	5	NP	0.07
Ra228, SDWA Method	pCi/L	5	NP	0.26 U
Radon	pCi/L	NP	NP	321.9
Thorium-228	pCi/L	NP	NP	-0.018
Thorium-230	pCi/L	NP	NP	0.018
Thorium-232	pCi/L	NP	NP	0.071
U234, by Alpha Spec	pCi/L	NP	NP	2.3
U238, by Alpha Spec	pCi/L	NP	NP	1.6
Uranium, Mass Concentration	pCi/L	NP	NP	6

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-36 Date - 10/6/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0148
Barium	mg/L	2	NP	0.0265
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	1.53
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	0.3 U
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0164
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	2 U
Selenium	mg/L	0.05	NP	0.0142
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	307 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0411
Vanadium	mg/L	NP	NP	0.308
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	NP	NP	280
Chloride	mg/L	NP	250	46
Fluoride	mg/L	NP	2	1.72
Nitrate as N	mg/L	1	NP	16
Nitrate+Nitrite as N	mg/L	NP	NP	16
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	8.73
Sulfate	mg/L	NP	250	80
Total Dissolved Solids	mg/L	NP	500	772
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0137
Barium	mg/L	2	NP	0.0272
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	1.57
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	0.3 U
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0165
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	2.09 J
Selenium	mg/L	0.05	NP	0.0149
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	314 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0424
Vanadium	mg/L	NP	NP	0.306
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	26.5
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	29.5
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	6.9
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	7.2
Ra226, SDWA Method	pCi/L	5	NP	0.04
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	436.5
Thorium-228	pCi/L	NP	NP	-0.104
Thorium-230	pCi/L	NP	NP	0.009
Thorium-232	pCi/L	NP	NP	0.028
U234, by Alpha Spec	pCi/L	NP	NP	17.2
U238, by Alpha Spec	pCi/L	NP	NP	11.2
Uranium, Mass Concentration	pCi/L	NP	NP	39

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-41 Date - 10/9/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	6.24
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	4.56
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0145
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	5.45 J
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	213 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.002 U
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	54
Fluoride	mg/L	NP	2	0.73
Nitrate as N	mg/L	1	NP	0 U
Nitrate+Nitrite as N	mg/L	NP	NP	0.04 U
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	8.6
Sulfate	mg/L	NP	250	112
Total Dissolved Solids	mg/L	NP	500	790
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	6.06
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.172
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	4.49
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0129
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	5.96 J
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	226 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.002 U
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	1.3 U
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	1.4 U
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	2.6
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	2.8
Ra226, SDWA Method	pCi/L	5	NP	0.11
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	-0.025
Thorium-230	pCi/L	NP	NP	0
Thorium-232	pCi/L	NP	NP	-0.026
U234, by Alpha Spec	pCi/L	NP	NP	0.03 U
U238, by Alpha Spec	pCi/L	NP	NP	0.02 U
Uranium, Mass Concentration	pCi/L	NP	NP	1 U

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-42 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	113
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.362
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	39.7
Manganese	mg/L	NP	0.05	0.0737
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	9.45 J
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	211 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0071
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.0693
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	80
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	0 U
Nitrate+Nitrite as N	mg/L	NP	NP	0.04 U
Nitrite as N	mg/L	1	NP	0.0006 U TQ02
pH	pH Units	NP	6.5-8.5	7.01
Sulfate	mg/L	NP	250	347
Total Dissolved Solids	mg/L	NP	500	1180
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	123
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.421
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	43.7
Manganese	mg/L	NP	0.05	0.0799
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	11.7 J
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	248 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0078
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.0718
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	10.2
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	12.6
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	12.8
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	13
Ra226, SDWA Method	pCi/L	5	NP	2.4
Ra228, SDWA Method	pCi/L	5	NP	3.1
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	0.145
Thorium-230	pCi/L	NP	NP	-0.008
Thorium-232	pCi/L	NP	NP	0.03
U234, by Alpha Spec	pCi/L	NP	NP	5.3
U238, by Alpha Spec	pCi/L	NP	NP	1.7
Uranium, Mass Concentration	pCi/L	NP	NP	7

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-43 Date - 10/6/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0314
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	76.9
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.025 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	30.3
Manganese	mg/L	NP	0.05	0.005 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0033
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	3.74 J
Selenium	mg/L	0.05	NP	0.0081
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	44.9 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0049
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>General Chemistry</b>				
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	NP	NP	212
Chloride	mg/L	NP	250	48
Fluoride	mg/L	NP	2	0.37
Nitrate as N	mg/L	1	NP	3.32
Nitrate+Nitrite as N	mg/L	NP	NP	3.31
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.27
Sulfate	mg/L	NP	250	143
Total Dissolved Solids	mg/L	NP	500	490
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0312
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	77.9
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.025 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	30.1
Manganese	mg/L	NP	0.05	0.005 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0033
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	3.95 J
Selenium	mg/L	0.05	NP	0.0082
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	45.3 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.005
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	4.3
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	5.5
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	3.9
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	4
Ra226, SDWA Method	pCi/L	5	NP	0.08
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	462.2
Thorium-228	pCi/L	NP	NP	0
Thorium-230	pCi/L	NP	NP	0.018
Thorium-232	pCi/L	NP	NP	-0.028
U234, by Alpha Spec	pCi/L	NP	NP	2.9
U238, by Alpha Spec	pCi/L	NP	NP	1.3
Uranium, Mass Concentration	pCi/L	NP	NP	5

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-44 Date - 10/6/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0237
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	81.8
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.025 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	27.4
Manganese	mg/L	NP	0.05	0.005 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0022
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	4.05 J
Selenium	mg/L	0.05	NP	0.0099
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	50.8 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0038
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>General Chemistry</b>				
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	NP	NP	208
Chloride	mg/L	NP	250	14
Fluoride	mg/L	NP	2	0.35
Nitrate as N	mg/L	1	NP	2.87
Nitrate+Nitrite as N	mg/L	NP	NP	2.86
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.31
Sulfate	mg/L	NP	250	180
Total Dissolved Solids	mg/L	NP	500	526
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0262
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	85.6
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.025 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	28.8
Manganese	mg/L	NP	0.05	0.005 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0022
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	4.62 J
Selenium	mg/L	0.05	NP	0.0099
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	55.5 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.004
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	3
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	3.6
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	4.7
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	4.8
Ra226, SDWA Method	pCi/L	5	NP	0.08
Ra228, SDWA Method	pCi/L	5	NP	0.15 U
Radon	pCi/L	NP	NP	814
Thorium-228	pCi/L	NP	NP	-0.051
Thorium-230	pCi/L	NP	NP	-0.042
Thorium-232	pCi/L	NP	NP	-0.034
U234, by Alpha Spec	pCi/L	NP	NP	2.1
U238, by Alpha Spec	pCi/L	NP	NP	0.92
Uranium, Mass Concentration	pCi/L	NP	NP	4

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-45 Date - 10/6/2014	Sample ID - LSM-80FD Date - 10/6/2014
<b>Dissolved Metals</b>					
Aluminum	mg/L	NP	0.05-0.2	0.1 U	0.1 U
Antimony	mg/L	0.006	NP	0.002 U	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U	0.002 U
Barium	mg/L	2	NP	0.0365	0.0359
Beryllium	mg/L	0.004	NP	0.005 U	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U	0.005 U
Calcium	mg/L	NP	NP	140	141
Chromium	mg/L	0.1	NP	0.01 U	0.01 U
Cobalt	mg/L	NP	NP	0.02 U	0.02 U
Copper	mg/L	1.3	1	0.02 U	0.02 U
Iron	mg/L	NP	0.3	0.025 U	0.025 U
Lead	mg/L	0.015	NP	0.002 U	0.002 U
Magnesium	mg/L	NP	NP	40.2	40.2
Manganese	mg/L	NP	0.05	0.005 U	0.005 U
Mercury	mg/L	0.002	NP	0.0002 U	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U	0.002 U
Nickel	mg/L	NP	NP	0.02 U	0.02 U
Potassium	mg/L	NP	NP	7.25 J	7.08 J
Selenium	mg/L	0.05	NP	0.014	0.0139
Silver	mg/L	NP	0.1	0.01 U	0.01 U
Sodium	mg/L	NP	NP	111 J	110 J
Thallium	mg/L	0.002	NP	0.002 U	0.002 U
Uranium	mg/L	0.03	NP	0.0127	0.0126
Vanadium	mg/L	NP	NP	0.02 U	0.02 U
Zinc	mg/L	NP	5	0.02 U	0.02 U
<b>General Chemistry</b>					
Chloride	mg/L	NP	250	38	38
Fluoride	mg/L	NP	2	0.3	0.26
Nitrate as N	mg/L	1	NP	NA	NA
Nitrate+Nitrite as N	mg/L	NP	NP	3.72	3.69
Nitrite as N	mg/L	1	NP	NA	NA
pH	pH Units	NP	6.5-8.5	7.37	7.74
Sulfate	mg/L	NP	250	374	372
Total Dissolved Solids	mg/L	NP	500	916	1110
<b>Metals</b>					
Aluminum	mg/L	NP	0.05-0.2	0.1 U	0.1 U
Antimony	mg/L	0.006	NP	0.002 U	0.002 U
Arsenic	mg/L	0.01	NP	0.0021	0.002 U
Barium	mg/L	2	NP	0.037	0.0358
Beryllium	mg/L	0.004	NP	0.005 U	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U	0.005 U
Calcium	mg/L	NP	NP	147	140
Chromium	mg/L	0.1	NP	0.01 U	0.01 U
Cobalt	mg/L	NP	NP	0.02 U	0.02 U
Copper	mg/L	1.3	1	0.02 U	0.02 U
Iron	mg/L	NP	0.3	0.025 U	0.025 U
Lead	mg/L	0.015	NP	0.002 U	0.002 U
Magnesium	mg/L	NP	NP	41.6	39.7
Manganese	mg/L	NP	0.05	0.005 U	0.005 U
Mercury	mg/L	0.002	NP	0.0002 U	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U	0.002 U
Nickel	mg/L	NP	NP	0.02 U	0.02 U
Potassium	mg/L	NP	NP	7.94 J	7.35 J
Selenium	mg/L	0.05	NP	0.0153	0.0134
Silver	mg/L	NP	0.1	0.01 U	0.01 U
Sodium	mg/L	NP	NP	119 J	115 J
Thallium	mg/L	0.002	NP	0.002 U	0.002 U
Uranium	mg/L	0.03	NP	0.0129	0.0123
Vanadium	mg/L	NP	NP	0.02 U	0.02 U
Zinc	mg/L	NP	5	0.02 U	0.02 U
<b>Radiological</b>					
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	8.6	6.9
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	10.5	8.3
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	7.2	8.2
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	7.4	8.5
Ra226, SDWA Method	pCi/L	5	NP	0.18	0.17
Ra228, SDWA Method	pCi/L	5	NP	0.14 U	0.33
Radon	pCi/L	NP	NP	1113	NA
Thorium-228	pCi/L	NP	NP	-0.069	NA
Thorium-230	pCi/L	NP	NP	-0.029	NA
Thorium-232	pCi/L	NP	NP	0.029	NA
U234, by Alpha Spec	pCi/L	NP	NP	5.8	6.7
U238, by Alpha Spec	pCi/L	NP	NP	3.4	3.6
Uranium, Mass Concentration	pCi/L	NP	NP	12	12

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-46 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	192
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	63.2
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	17.7 J
Selenium	mg/L	0.05	NP	0.0095
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	269 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0214
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	151
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	3.74
Nitrate+Nitrite as N	mg/L	NP	NP	3.74
Nitrite as N	mg/L	1	NP	0.0006 U TQ02
pH	pH Units	NP	6.5-8.5	7.02
Sulfate	mg/L	NP	250	590
Total Dissolved Solids	mg/L	NP	500	1660
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	199
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.0511
Lead	mg/L	0.015	NP	0.0021
Magnesium	mg/L	NP	NP	66.8
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	21.1 J
Selenium	mg/L	0.05	NP	0.0088
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	307 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0223
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	8.2
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	10.1
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	14.9
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	15.3
Ra226, SDWA Method	pCi/L	5	NP	0.25
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	0.098
Thorium-230	pCi/L	NP	NP	0.026
Thorium-232	pCi/L	NP	NP	0.073
U234, by Alpha Spec	pCi/L	NP	NP	9.5
U238, by Alpha Spec	pCi/L	NP	NP	5.7
Uranium, Mass Concentration	pCi/L	NP	NP	20

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin**  
**State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-47 Date - 10/7/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0077
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	3.06
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.075 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	0.45 U
Manganese	mg/L	NP	0.05	0.015 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0095
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	3 U
Selenium	mg/L	0.05	NP	0.0359
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	497 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0298
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.06 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	45
Fluoride	mg/L	NP	2	1.49
Nitrate as N	mg/L	1	NP	NA
Nitrate+Nitrite as N	mg/L	NP	NP	0.58
Nitrite as N	mg/L	1	NP	NA
pH	pH Units	NP	6.5-8.5	8.64
Sulfate	mg/L	NP	250	420
Total Dissolved Solids	mg/L	NP	500	1300
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0067
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	3.17
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.075 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	0.45 U
Manganese	mg/L	NP	0.05	0.015 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.01
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	3 U
Selenium	mg/L	0.05	NP	0.0374
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	554 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0319
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.06 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	23.1
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	28.5
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	8.8
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	8.9
Ra226, SDWA Method	pCi/L	5	NP	0.04
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	773
Thorium-228	pCi/L	NP	NP	-0.149
Thorium-230	pCi/L	NP	NP	-0.083
Thorium-232	pCi/L	NP	NP	-0.009
U234, by Alpha Spec	pCi/L	NP	NP	19.6
U238, by Alpha Spec	pCi/L	NP	NP	8.4
Uranium, Mass Concentration	pCi/L	NP	NP	30

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-49 Date - 10/7/2014	Sample ID - LSM-85FD Date - 10/7/2014
<b>Dissolved Metals</b>					
Aluminum	mg/L	NP	0.05-0.2	0.2 U	0.2 U
Antimony	mg/L	0.006	NP	0.002 U	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U	0.002 U
Barium	mg/L	2	NP	0.02 U	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U	0.01 U
Calcium	mg/L	NP	NP	140	141
Chromium	mg/L	0.1	NP	0.02 U	0.02 U
Cobalt	mg/L	NP	NP	0.04 U	0.04 U
Copper	mg/L	1.3	1	0.04 U	0.04 U
Iron	mg/L	NP	0.3	0.05 U	0.05 U
Lead	mg/L	0.015	NP	0.002 U	0.002 U
Magnesium	mg/L	NP	NP	42.3	42.7
Manganese	mg/L	NP	0.05	0.01 U	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U	0.002 U
Nickel	mg/L	NP	NP	0.04 U	0.04 U
Potassium	mg/L	NP	NP	11.1 J	11.2 J
Selenium	mg/L	0.05	NP	0.009	0.0091
Silver	mg/L	NP	0.1	0.02 U	0.02 U
Sodium	mg/L	NP	NP	312 J	313 J
Thallium	mg/L	0.002	NP	0.002 U	0.002 U
Uranium	mg/L	0.03	NP	0.0695	0.0691
Vanadium	mg/L	NP	NP	0.04 U	0.04 U
Zinc	mg/L	NP	5	0.04 U	0.04 U
<b>General Chemistry</b>					
Chloride	mg/L	NP	250	138	138
Fluoride	mg/L	NP	2	0.56	0.25 U
Nitrate as N	mg/L	1	NP	1.43	1.48
Nitrate+Nitrite as N	mg/L	NP	NP	1.42	1.47
Nitrite as N	mg/L	1	NP	0.0006 U TQ03	0.0006 U
pH	pH Units	NP	6.5-8.5	7.19	7.17
Sulfate	mg/L	NP	250	475	478
Total Dissolved Solids	mg/L	NP	500	1430	1430
<b>Metals</b>					
Aluminum	mg/L	NP	0.05-0.2	0.2 U	0.2 U
Antimony	mg/L	0.006	NP	0.002 U	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U	0.002 U
Barium	mg/L	2	NP	0.02 U	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U	0.01 U
Calcium	mg/L	NP	NP	138	138
Chromium	mg/L	0.1	NP	0.02 U	0.02 U
Cobalt	mg/L	NP	NP	0.04 U	0.04 U
Copper	mg/L	1.3	1	0.04 U	0.04 U
Iron	mg/L	NP	0.3	0.0717	0.0703
Lead	mg/L	0.015	NP	0.002 U	0.002 U
Magnesium	mg/L	NP	NP	42.2	42
Manganese	mg/L	NP	0.05	0.01 U	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U	0.002 U
Nickel	mg/L	NP	NP	0.04 U	0.04 U
Potassium	mg/L	NP	NP	12.6 J	12.9 J
Selenium	mg/L	0.05	NP	0.0098	0.0102
Silver	mg/L	NP	0.1	0.02 U	0.02 U
Sodium	mg/L	NP	NP	339 J	345 J
Thallium	mg/L	0.002	NP	0.002 U	0.002 U
Uranium	mg/L	0.03	NP	0.0702	0.0729
Vanadium	mg/L	NP	NP	0.04 U	0.04 U
Zinc	mg/L	NP	5	0.04 U	0.04 U
<b>Radiological</b>					
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	30.1	28.7
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	36.1	37.3
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	27.6	21.7
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	28.6	21.8
Ra226, SDWA Method	pCi/L	5	NP	0.06	0.07
Ra228, SDWA Method	pCi/L	5	NP	0.14 U	0.19
Radon	pCi/L	NP	NP	904	907
Thorium-228	pCi/L	NP	NP	-0.045	0.082
Thorium-230	pCi/L	NP	NP	-0.046	-0.029
Thorium-232	pCi/L	NP	NP	0.042	0.021
U234, by Alpha Spec	pCi/L	NP	NP	21.6	21.8
U238, by Alpha Spec	pCi/L	NP	NP	16.8	16.1
Uranium, Mass Concentration	pCi/L	NP	NP	66	66

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-50 Date - 10/9/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	193
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	56.5
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0661
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	12.5 J
Selenium	mg/L	0.05	NP	0.0267
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	372 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.154
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	146
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	1.94
Nitrate+Nitrite as N	mg/L	NP	NP	1.94
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.14
Sulfate	mg/L	NP	250	567
Total Dissolved Solids	mg/L	NP	500	2300
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0021
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	195
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	57.4
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.063
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	14.1 J
Selenium	mg/L	0.05	NP	0.0267
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	398 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.157
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	54.7
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	68.1
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	49.9
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	50.8
Ra226, SDWA Method	pCi/L	5	NP	0.03
Ra228, SDWA Method	pCi/L	5	NP	0.14 U
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	0.016
Thorium-230	pCi/L	NP	NP	0.131
Thorium-232	pCi/L	NP	NP	0.044
U234, by Alpha Spec	pCi/L	NP	NP	54.1
U238, by Alpha Spec	pCi/L	NP	NP	40.5
Uranium, Mass Concentration	pCi/L	NP	NP	140

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-51 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	203
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.843
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	65.2
Manganese	mg/L	NP	0.05	0.0236
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0073
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	16.3 J
Selenium	mg/L	0.05	NP	0.0192
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	380 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0571
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	178
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	1.66
Nitrate+Nitrite as N	mg/L	NP	NP	1.67
Nitrite as N	mg/L	1	NP	0.0006 U TQ02
pH	pH Units	NP	6.5-8.5	7.01
Sulfate	mg/L	NP	250	685
Total Dissolved Solids	mg/L	NP	500	1960
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	208
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	1.06
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	68.4
Manganese	mg/L	NP	0.05	0.024
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0068
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	19.4 J
Selenium	mg/L	0.05	NP	0.018
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	429 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0588
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	21.2
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	26.9
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	21.9
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	22
Ra226, SDWA Method	pCi/L	5	NP	0.03
Ra228, SDWA Method	pCi/L	5	NP	0.13 U
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	-0.079
Thorium-230	pCi/L	NP	NP	-0.02
Thorium-232	pCi/L	NP	NP	0
U234, by Alpha Spec	pCi/L	NP	NP	20.1
U238, by Alpha Spec	pCi/L	NP	NP	15.5
Uranium, Mass Concentration	pCi/L	NP	NP	52

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-52 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0181
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	416
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	117
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0123
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	16.1 J
Selenium	mg/L	0.05	NP	0.252
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	725 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.224
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	567
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	16.4
Nitrate+Nitrite as N	mg/L	NP	NP	16.4
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.12
Sulfate	mg/L	NP	250	1790
Total Dissolved Solids	mg/L	NP	500	3930
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.0161
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	418
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.0625
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	119
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0107
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	19.2 J
Selenium	mg/L	0.05	NP	0.247
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	804 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.228
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	70.5
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	108.2
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	73
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	68.2
Ra226, SDWA Method	pCi/L	5	NP	0.09
Ra228, SDWA Method	pCi/L	5	NP	0.36 U
Radon	pCi/L	NP	NP	NA
Thorium-228	pCi/L	NP	NP	-0.038
Thorium-230	pCi/L	NP	NP	0.302
Thorium-232	pCi/L	NP	NP	0.179
U234, by Alpha Spec	pCi/L	NP	NP	69.5
U238, by Alpha Spec	pCi/L	NP	NP	58.2
Uranium, Mass Concentration	pCi/L	NP	NP	200

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-53 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	315
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.192
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	74.9
Manganese	mg/L	NP	0.05	0.015 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	11.1 J
Selenium	mg/L	0.05	NP	0.0449
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	569 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0624
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.546
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	236
Fluoride	mg/L	NP	2	0.25 U
Nitrate as N	mg/L	1	NP	3.54
Nitrate+Nitrite as N	mg/L	NP	NP	3.53
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.1
Sulfate	mg/L	NP	250	1270
Total Dissolved Solids	mg/L	NP	500	2870
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.3 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.03 U
Beryllium	mg/L	0.004	NP	0.015 U
Cadmium	mg/L	0.005	NP	0.015 U
Calcium	mg/L	NP	NP	308
Chromium	mg/L	0.1	NP	0.03 U
Cobalt	mg/L	NP	NP	0.06 U
Copper	mg/L	1.3	1	0.06 U
Iron	mg/L	NP	0.3	0.686
Lead	mg/L	0.015	NP	0.0023
Magnesium	mg/L	NP	NP	74.1
Manganese	mg/L	NP	0.05	0.0152
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.06 U
Potassium	mg/L	NP	NP	12.6 J
Selenium	mg/L	0.05	NP	0.0466
Silver	mg/L	NP	0.1	0.03 U
Sodium	mg/L	NP	NP	620 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0625
Vanadium	mg/L	NP	NP	0.06 U
Zinc	mg/L	NP	5	0.641
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	24.2
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	32.6
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	24.4
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	24.3
Ra226, SDWA Method	pCi/L	5	NP	0.18
Ra228, SDWA Method	pCi/L	5	NP	0.2
Radon	pCi/L	NP	NP	417.5
Thorium-228	pCi/L	NP	NP	0.001
Thorium-230	pCi/L	NP	NP	-0.052
Thorium-232	pCi/L	NP	NP	0.048
U234, by Alpha Spec	pCi/L	NP	NP	25.2
U238, by Alpha Spec	pCi/L	NP	NP	16.7
Uranium, Mass Concentration	pCi/L	NP	NP	57

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-56 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	478
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	132
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	11.1 J
Selenium	mg/L	0.05	NP	0.0205
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	339 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0213
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	45
Fluoride	mg/L	NP	2	0.51
Nitrate as N	mg/L	1	NP	17.2
Nitrate+Nitrite as N	mg/L	NP	NP	17.2
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.15
Sulfate	mg/L	NP	250	2380
Total Dissolved Solids	mg/L	NP	500	3430
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.2 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.02 U
Beryllium	mg/L	0.004	NP	0.01 U
Cadmium	mg/L	0.005	NP	0.01 U
Calcium	mg/L	NP	NP	456
Chromium	mg/L	0.1	NP	0.02 U
Cobalt	mg/L	NP	NP	0.04 U
Copper	mg/L	1.3	1	0.04 U
Iron	mg/L	NP	0.3	0.05 U
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	128
Manganese	mg/L	NP	0.05	0.01 U
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.002 U
Nickel	mg/L	NP	NP	0.04 U
Potassium	mg/L	NP	NP	12 J
Selenium	mg/L	0.05	NP	0.02
Silver	mg/L	NP	0.1	0.02 U
Sodium	mg/L	NP	NP	361 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0208
Vanadium	mg/L	NP	NP	0.04 U
Zinc	mg/L	NP	5	0.04 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	8.8
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	12.2
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	10.5
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	10.4
Ra226, SDWA Method	pCi/L	5	NP	0.07
Ra228, SDWA Method	pCi/L	5	NP	0.96 U
Radon	pCi/L	NP	NP	992
Thorium-228	pCi/L	NP	NP	0.043
Thorium-230	pCi/L	NP	NP	-0.102
Thorium-232	pCi/L	NP	NP	0.05
U234, by Alpha Spec	pCi/L	NP	NP	11.3
U238, by Alpha Spec	pCi/L	NP	NP	6.1
Uranium, Mass Concentration	pCi/L	NP	NP	21

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter



**San Mateo Creek Basin  
State Sampling Analytical Results**

Analyte	Units	National Primary Drinking Water Standard Maximum Contaminant Level (MCL)	National Secondary Drinking Water Standard Maximum Contaminant Level (SMCL)	Sample ID - LSM-58 Date - 10/8/2014
<b>Dissolved Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0298
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	74.6
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.101
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	8.06
Manganese	mg/L	NP	0.05	0.037
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.007
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	5.7 J
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	38.5 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.0234
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>General Chemistry</b>				
Chloride	mg/L	NP	250	5 U
Fluoride	mg/L	NP	2	0.49
Nitrate as N	mg/L	1	NP	0.02
Nitrate+Nitrite as N	mg/L	NP	NP	0.04 U
Nitrite as N	mg/L	1	NP	0.0006 U
pH	pH Units	NP	6.5-8.5	7.46
Sulfate	mg/L	NP	250	91
Total Dissolved Solids	mg/L	NP	500	322
<b>Metals</b>				
Aluminum	mg/L	NP	0.05-0.2	0.1 U
Antimony	mg/L	0.006	NP	0.002 U
Arsenic	mg/L	0.01	NP	0.002 U
Barium	mg/L	2	NP	0.0311
Beryllium	mg/L	0.004	NP	0.005 U
Cadmium	mg/L	0.005	NP	0.005 U
Calcium	mg/L	NP	NP	72.3
Chromium	mg/L	0.1	NP	0.01 U
Cobalt	mg/L	NP	NP	0.02 U
Copper	mg/L	1.3	1	0.02 U
Iron	mg/L	NP	0.3	0.119
Lead	mg/L	0.015	NP	0.002 U
Magnesium	mg/L	NP	NP	7.84
Manganese	mg/L	NP	0.05	0.0376
Mercury	mg/L	0.002	NP	0.0002 U
Molybdenum	mg/L	NP	NP	0.0067
Nickel	mg/L	NP	NP	0.02 U
Potassium	mg/L	NP	NP	6.41 J
Selenium	mg/L	0.05	NP	0.004 U
Silver	mg/L	NP	0.1	0.01 U
Sodium	mg/L	NP	NP	41.8 J
Thallium	mg/L	0.002	NP	0.002 U
Uranium	mg/L	0.03	NP	0.023
Vanadium	mg/L	NP	NP	0.02 U
Zinc	mg/L	NP	5	0.02 U
<b>Radiological</b>				
Gross Alpha w/ Am-241 Reference	pCi/L	15	NP	20.6
Gross Alpha w/ U-nat Reference	pCi/L	15	NP	25.6
Gross Beta w/ Cs-137 Reference	pCi/L	NP	NP	9.1
Gross Beta w/ Sr/Y-90 Reference	pCi/L	NP	NP	9.3
Ra226, SDWA Method	pCi/L	5	NP	0.74
Ra228, SDWA Method	pCi/L	5	NP	0.4
Radon	pCi/L	NP	NP	1314
Thorium-228	pCi/L	NP	NP	0.068
Thorium-230	pCi/L	NP	NP	0.04
Thorium-232	pCi/L	NP	NP	0.013
U234, by Alpha Spec	pCi/L	NP	NP	16.5
U238, by Alpha Spec	pCi/L	NP	NP	6.5
Uranium, Mass Concentration	pCi/L	NP	NP	22

Notes:

U - Analyte not detected

NP - Not Published

mg/L - milligrams per Liter. Milligrams per liter are equivalent to parts per million.

pCi/L - picocuries per Liter

